GENETIC DISORDER PRESENTATION:

Working as an individual, create a power point presentation using the Keynote App (or Prezi) on your I pad to create a presentation that explores a genetic disorder. You have a lot of freedom in this assignment. Your presentation must include the following parts:

Presentation must be 3-5 minutes long. Presentation must utilize at least 2 reliable sources, outside of the textbook. 3 sources would be preferred.

Suggested Disorders to study:

* Turner Syndrome
* Klinefelter Syndrome
* Trisomy 21
* Autism
* Poly-X females
* Jacob's syndrome
* Methemoglobinemia
* Cystic Fybrosis
* Osteogenesis Imperfecta
* Hereditary Spherocytosis

KEY PARTS OF PRESENTATION:

* History of disorder
* Effects of disorder
* Treatments for disorder
* Occurrence rate
* How was it discovered?
* Is there research being done on the disorder?
* Is the disorder more common in a certain population? Does it affect a certain geographic region?
* What is the outlook for the genetic disorder?

**The presentation will be graded according to the following rubric:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **1-4 points** | **5-8 points** | **9-10 points** |
| **Presentation Format** | **Presentation was poorly formatted; little thought went into designing the presentation** | **Presentation was well formatted; it was obvious much thought went into designing the presentation** | **Presentation format was outstanding; presentation was a professionally polished work product** |
| Genetic Disorder  **description** | **Genetic disorder was poorly described; much information was missing about the genetic disorder's effects, treatments, and research being done** | **Genetic disorder was adequately described; all the key parts of the genetic disorder were described in detail including the effects, treatments, and research involved with the disorder** | **Description of genetic disorder was outstanding; description went beyond the scope of the assignment** |
| **Genetics behind the disorder** | **Little description of the genetics behind the disorder and the unique genetic circumstances of the disorder** | **Mechanisms and Effects of genetic disorder was adequately described in the presentation** | **Description of genetic mechanisms and effects where described in excellent detail** |
| **TOTAL Points possible** |  |  | **30 points total** |

**\*\* A minimum of two outside sources must be cited from your research for your presentation. The source must be either a .org, .edu, or .gov website. No Wikipedia! You may use Wikipedia as a starting point, but not as a primary resource in your presentation. \*\***